

# The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

## Is Solar Cycle 22 Over Yet?

I must acknowledge a gaff in my third paragraph of last month's bulletin. The general, or poloidal, field of the sun reverses polarity with each cycle, but it does so near the peak of the solar cycle as I wrote in the January 1969 issue of *ham radio*.

Describing the solar cycle, I wrote: An observer looking at the solar system from the direction of Polaris would see both the sun and earth rotating in a counterclockwise direction as the earth (and planets) revolve counterclockwise around the sun. As a result, we on earth see the solar surface rotating from our east to west.

Our planet's orbit around the sun is an ellipse which lies in a plane called the ecliptic. The earth's axis of rotation is inclined 23°27' to the ecliptic with the north pole being most tilted away from the sun on December 22, and most tilted towards it on June 22. The earth is closest to the sun on January 2. The axis of rotation of the sun is also inclined to the ecliptic, about 7°, such that we can see the sun's north pole only from June to December.

The sun does not rotate as a solid body—the equatorial regions rotate faster (25-day period) than do the polar regions (30-day period). It is the presence of a general magnetic field and differential rotation that is the cause of the solar cycle. The sun's general field penetrates the surface only in polar regions (greater than 55° latitude) and is thus called a poloidal field. The intensity of the poloidal field is about 1 Gauss, compared to fields of 0.24 to 0.61 Gauss observed on the surface of the earth. At solar latitudes less than 30°, the general field is confined to a sheath of about 5% of the solar radius. At the equator, the general magnetic field is believed to have an intensity of about 5 Gauss inside the sheath.

Relative motion between ionized solar plasma and a magnetic field is inhibited since the plasma is an excellent conductor and such motion creates an electric field which results in a large current flow. As a result, the plasma flows most easily along magnetic field lines, and if forced, will drag the magnetic field along with it.

The sun's differential rotation wraps the sub-photospheric field lines around the sun to form a toroidal field. The toroidal field strength continuously rises as the field lines are stretched and crowded together like a rubber band that has been wound up tightly. When the magnetic field strength (of the toroidal field) reaches a critical value of about 250 Gauss, tubes of magnetic flux may "bubble up" through the photosphere to form bipolar magnetic regions. It is in these "centers of activity" that sunspots, solar flares, and filaments occur.

Perhaps rejoicing over the demise of solar cycle 22 is somewhat premature. Jim Kennedy, K6MIO, a professional astronomer, sent me the following material:

Regarding your comments about cycle 22 and 23, we have recently completed five of six solar observing stations around the world to keep the Sun under surveillance 24-hours a day. This network (called GONG — Global Oscillation Network Group) is primarily focussed on studying the solar interior using

heliopauseismology, but our instruments also take a magnetogram every hour. (With three stations facing the Sun at any time that can run as high as one every 20 minutes).

One of these stations is at the Big Bear Observatory (you mentioned Hal Zirin). Another is at the Learmonth Solar Observatory in VK6, operated by the Australian Ionospheric Prediction Service. The Director at Learmonth is Dr. John Kennewell, VK6ZOX. About a month ago John's people made a very similar announcement about Cycle 23 spots, based on observations using the GONG instrument.

In the email announcement (which I attach below), John points out that there is still some question about the interpretation of the observations, but taken at face value, they could imply another short cycle that would bottom out between June and December 1996. Cycle 21 hit bottom about ten years earlier in September 1986. If the two cycles are similar, we could be looking at some interesting stuff by 1998.

Jim, K6MIO/VK6MI, National Solar Observatory

## Cycle 23 Spots Sighted at Learmonth Solar Observatory

A total of 3 sunspot groups potentially belonging to the new cycle 23 have now been observed at Learmonth Solar Observatory, jointly run by the USAF Space Command and IPS Radio and Space Services. Using hourly full disc magnetograms via a network connected to the recently established NSO/GONG site on the North West Cape of Western Australia, observers on 13 Aug reported the third potential new cycle sunspot group. These groups were also observed by the Kitt Peak magnetogram & at the Big Bear Solar Observatory.

Details of the groups are:

| Date<br>(1995) | NOAA<br>Region | Latitude | Carrington<br>Longitude | Max #<br>Spots | Class |
|----------------|----------------|----------|-------------------------|----------------|-------|
| May 13         | 7872           | N13      | 321                     | 2              | BXO   |
| Jul 26         | 7893           | S18      | 125                     | 3              | Axx   |
| Aug 13         | 7899           | S20      | 215                     | (1)            | (Axx) |

All of the above groups had the correct hemispheric magnetic polarity for cycle 23. However, the low latitudes of these groups could possibly call into question their cycle allegiance. In recent cycles, the latitudes of the first spotted region have typically lain between 25 and 40°.

It is not uncommon for a region belonging magnetically to one hemisphere to 'become lost' and 'stray' into the wrong hemisphere. Most such groups have latitudes less than 10 degrees. From 10 to 20 degrees we have a grey area. However, in lost groups, the leader polarity is typically poleward of the trailer. Such was not the case for regions 7893 and 7899. Both of these had the leader inclined toward the equator. In fact, the axis of 7893 was inclined almost 45 degrees equatorward.

The major significance of new cycle spots lies in their predictive value for solar minimum. Typically minimum does not occur until at least 12 months following the appearance of the first spot group of the cycle. Details for the last three cycles are:

| Cycle # | First Spot  | Minimum  | Latency   |
|---------|-------------|----------|-----------|
| 20      | Sep 1963    | Oct 1964 | 13 months |
| 21      | 15 Nov 1974 | Jun 1976 | 19 months |
| 22      | 31 Mar 1985 | Sep 1986 | 16 months |

On the basis of past behavior we would thus expect solar minimum to occur between June and December 1996, and the duration of cycle 22 to lie between 9.7 and 10.3 years.



## July-September 1995 DX Reports

The following reports of 50 MHz and higher DX are courtesy of G4UPS, SM7AED's *Six-metre Info*, JA1VOK's columns *World VHF News* in FIVE NINE and *VUHF DX Topics* in MOBIL HAM, WA5IYX, K6QXY, VE7SKA, VE3KKL, and postings on the Internet. Reports by SM3EQY, SM4POB, SM7FJE, and OZ3ZW are via *6-metre Info*. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1995. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. The grid square of the observing station may occur after a > symbol. A time after > indicates the opening was still in progress at this time. A \$ indicates stereo reception, t indicates tentative identification. Numbers may refer to QTF (azimuth of arrival)(VE7SKA) or distance (usually in statute miles for TV, kilometers for radio amateur reports). Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, W=worked by any mode, H=heard only.

## Reports of Africa

### CANARY IS

07112225 EH8BPX 55 IL18 50.115 S VE3KKL  
08021540 EH8ACW 59 > IO92 H G4UPS/P

### CEUTA&MELILLA

07022206 EH9IB IM85 > JP70 SM4POB  
07071859 EH9IE IM75 > JP70 SM4POB  
08072018 EH9IB 57 > IO92 H G4UPS/P  
08181135 EH9RY 59/59 IM85NG -1200 S G4UPS

### MADEIRA IS.

07071100 CT3FT > JP81 H SM3EQY  
07102208 CT3FT 59+ IM13 50.110 S VE3KKL

### MAURITANIA

07092122 5T6E 57+ IL30 50.110 S VE3KKL

### WESTERN SAHARA

08041930 SORASD 449 BRIEFLY > IO92 G4UPS/P

## Reports of Asia

### ISRAEL

07251704+4X1IF > JP70 H SM4POB

### HONG KONG

08130138 VS6XWE 50.110 JR6VSP  
08130141 VS6XMT 50.110 JR6VSP  
08130750 VS6XCZ 50.110 H JA1VOK  
09100925 VS6XMT 50.110 S JR6VSP  
09100926 VR2YIL 50.110 S JR6VSP  
09100943 VR2YIL 50.110 H JA5CMO

### KOREA,S.

08190115 HL1LTC 50.120 JA1VOK  
09281149 HL1LTC S JA1VOK

### RUSSIAN FEDERATION (ASIA)

08190040 UA0CQ 50.110 JA1VOK

### TAIWAN

08021230 BV2FG 50.003 B JA1VOK  
08021250 BV4PH 50.120 JA5CMO  
08120125 BV2FG 50.003 B JA1VOK  
08130611 BV2SR 50.110 C JR6VSP  
08150918 BV4PH 50.120 JA1VOK  
08151100 BV2FG 50.003 B JA1VOK  
08151200 BV2NT 50.130 B JA1VOK  
08201122 BV4PH 50.120 JA3JTG  
09090957 BV2SR 50.110 H JA5CMO  
09100825 BV2SR 50.110 H JA5CMO  
09100857 BV2FG 50.110 H JA5CMO  
09100857 BV4PH 50.120 H JA5CMO  
09110950 BV2FG 50.003 C JA1VOK

## Reports of Europe

### EUROPE GENERAL

08011838 EUR INBAND TV > IO92 I G4UPS/P  
08012245 EUR TV WEAK 48.250 V VE3KKL  
08021248 EUR TV VIDEO WEAK V VE3KKL  
08021630 EUR VID 50.024, 50.089 I VE3KKL  
08021630 EUR VID S5++ 48.252, .256, .246VE3KKL  
08031725+EUR INBAND TV STRONG> IO92 I G4UPS/P  
08190736 EUR INBAND TV > IO80 I G4UPS

### ALAND I

08050740+OH0/OH1NSJ 549 > IO92 G4UPS/P  
08050825 OH0/OH1NSJ KP00 > JO66 SM7AED  
08060637 OH0/OH1NSJ KP00 TR 651 KM W SM7AED  
08060659 OH0/OH1NSJ 559 > IO92 H G4UPS/P

### AUSTRIA

07301320 OE5UAL 59 > IO92 G4UPS/P  
07301332 OE5UAL 59/59 JN68NE TONY S G4UPS/P  
08051011 OE6TFF JN77 > JO66 SM7AED

### BALEARIC I

08111613 EA6/DF5JJ JM19 Es > JO65 SM7FJE

### BELARUS

07211838 EW7IM 579/599 KO53DR > JP70 SM4POB

### BELGIUM

08130713 ON4KST MS > JO54 OZ3ZW

### BOSNIA-HERZEGOVINA

07020847 T97FT JN74WT > JP70 SM4POB

### BULGARIA

07012218 LZ1KDP KN12QP > JP70 SM4POB  
07021432 LZ2DF KN22IV > JP70 SM4POB

### CRETE

07251704 SV9ANK KM25 > JP70 SM4POB  
07251729+SV9ANK 57 > IO92 H G4UPS/P  
07251729+SV9SIX 579 > IO92 B G4UPS/P  
07301320+SV9SIX 569 > IO92 B G4UPS/P  
08011225 SV9SIX > JO66 B SM7AED

### CROATIA

07010739 9A6V JN73 > JP70 SM4POB  
08031838 9A6V 599/599 JN74OC DRAGAN G4UPS/P  
08051015 9A3AT JN86 > JO66 SM7AED  
08051020 9A1CRJ JN73 > JO66 SM7AED  
08071559+9A7D 579 > IO92 H G4UPS/P  
08071917 9A7D JN95 > JO54 OZ3ZW  
08090918 9A5I > JO66 SM7AED  
09170956 9A2TK 57 JN76 50.110 G3OIL

### CZECH REPUBLIC

07040702 OK2BGW JN89CH > JP70 SM4POB  
07301403 OK2BGW 599/599 JN89CH IVO C G4UPS/P  
08050642 OK2BGW tr > JO66 SM7AED  
08100728 OK1DOY JO60 TROP > JO66 SM7AED  
08111627 OK2BGW 599/599 JN89CH IVO C G4UPS/P  
08120452 OK2PVF MS > JO66 SM7AED  
08122023 OK1FGM JN79 MS > JO65 SM7FJE  
08180840 OK2BGW 59/59 JN89CH IVO S G4UPS

### DENMARK

08060728+OZ6VHF 449 > IO92 B G4UPS/P  
08130741 OZ3ZW 579/579 MS > IO92 B G4UPS/P  
08160915 OZ6VHF 569 > IO80 B G4UPS  
08161330 OZ6VHF, OZ7IGY 569 -1350 B G4UPS  
08180840+OZ6VHF 599 > IO80 B G4UPS  
08181610+OZ7IGY 599 > IO80 B G4UPS  
08221734 OZ7AMG 59/59 JO65HO S G4UPS

### ENGLAND

07052130 G4HBA 55 IO80 50.115 S VE3KKL  
07071200 G7EXO 55 IO91PS 50.135 S VE3KKL  
07071201 G6YIN 55 IO93 JOHN 50.135 S VE3KKL  
07071206 G7RMG 44 IO80 GEFF 50.130 S VE3KKL  
07071207 G6IJJ 54 IO90 50.130 S VE3KKL  
07071208 G3NVO 54 IO91 NORM 50.130 S VE3KKL  
07071209 G3JOC 58 JO02PO 50.130 S VE3KKL



07071212 G6YGP 55 IO83NO 50.130 S VE3KKL  
 07071222 G8FCI 55 JO03AK 50.130 S VE3KKL  
 07071226 G0SWL 44 IO93BR 50.130 S VE3KKL  
 07071227 G2ADR 55 IO93 50.130 S VE3KKL  
 07071228 G1AHM 45 IO83OP 50.130 S VE3KKL  
 07071241 G0GKC 55 IO92FM 50.130 S VE3KKL  
 07071530 GB3MCB B VE3KKL  
 07071853 G7DWI JO00 > JP70 SM4POB  
 08010648 G4UPS/P IO81 > JO66 SM7AED  
 08011140 G7TYV JO02 > JO66 SM7AED  
 08021155 G7JLL > JO66 SM7AED  
 08031838 2J1CWG IN89 > JO66 SM7AED  
 08060728 G4UPS/P IO81 E-SCAT > JO66 SM7AED  
 08060801 G3CCH IO93 MS > JO66 SM7AED  
 08070749 G4UPS/P 579 MS > JO65 SM7AED  
 08070802 G3CCH IO93 MS > JO65 SM7AED  
 08080749 G4UPS/P IO82 > JO65 SM7AED  
 08080801 G3CCH IO93 > JO65 SM7AED  
 08090750 G4UPS/P, 0802 G3CCH > JO66 SM7AED  
 08100750 G4UPS/P IO82 MS > JO66 SM7AED  
 08100802 G3CCH IO93 TROP > JO66 SM7AED  
 08110717 G4UPS/P E-SCAT > JO66 SM7AED  
 08110802 G3CCH E-SCAT+MS > JO66 SM7AED  
 08121032 G4IGO & 2232 > JO54 OZ3ZW  
 08130713+G0JHC MS > JO54 OZ3ZW  
 08130740 G4ZTR, GOWEH, G3IBI MS OZ3ZW  
 08130740+G4UPS/P MS > JO54 OZ3ZW  
 08130824 G3SYG, G7EXO, G1IMS MS OZ3ZW  
 08140800 G3CCH IO93 599/579 MS > JO65 SM7AED  
 08150500+G3CCH IO93 E-SCAT+MS > JO65 SM7AED  
 08160750 G4UPS IO80 E-SCAT > JO65 SM7AED  
 08160801 G3CCH IO93 MS > JO65 SM7AED  
 08170450 G3CCH IO93 MS > JO65 SM7AED  
 08170750 G4UPS IO80, G3CCH MS > JO65 SM7AED  
 08180800 G3CCH > JO65 SM7AED  
 08240450 G3CCH & 0802 MS > JO65 SM7AED  
 08240751 G4UPS > JO65 SM7AED

## ESTONIA

08031607+ES6SIX 569 > IO92 B G4UPS/P  
 08050740 ES6SIX 559 > IO92 B G4UPS/P  
 08130452 ES5DE KO38 E-SCAT > JO66 SM7AED  
 08160510 ES5DE > JO65 H SM7AED  
 08161050 ES0SIX 579 > IO80 B G4UPS  
 08161053 ES1XT 579/559 KO29KK ARNE C G4UPS  
 08161130 ES1CW 57/57 KO29 ARVO S G4UPS  
 08181625 ES0SIX 599 > IO80 B G4UPS  
 08181625+ES2RJ/8 VY WEAK > IO80 H G4UPS  
 08181635 ES2RJ/8 55/55 KO28 TOM S G4UPS  
 08181830+ES2RW KO29 > JO65 H SM7AED  
 08181830+ES5DE KO38 > JO65 H SM7AED  
 08181830+ES6PZ KO38 > JO65 H SM7AED  
 08181830+ES6QB KO37 > JO65 H SM7AED  
 08190715 ES0SIX 559 > IO80 B G4UPS  
 08221625 ES1CW 599/599 KO29 ARVO W G4UPS  
 08221626 ES2RJ 599/599 KO29JM TOM W G4UPS

## FAROE ISLANDS

08010807 OY9JD > JO66 SM7AED  
 08031755 OY9JD 59/59 IP62 > IO92 G4UPS/P  
 08071830 OY9JD 59/59 IP62 > IO92 S G4UPS/P

## FINLAND

07161539 OH3NQW 57A/57A KP21GE > JP70 SM4POB  
 07162100 OH6BTO 53A/53A KP12EP > JP70 SM4POB  
 08010540 OH9SIX MS > JO66 B SM7AED  
 08020500 OH9SIX E-SCAT > JO66 B SM7AED  
 08030400 OH9SIX E-SCAT > JO66 B SM7AED  
 08060540 OH9SIX 529 E-SCAT 1336 KM B SM7AED  
 08090450 OH9SIX E-SCAT > JO66 SM7AED  
 08100515 OH9SIX > JO66 B SM7AED  
 08110530 OH9SIX 519 E-SCAT > JO66 B SM7AED  
 08130410+OH1SIX 539 E-SCAT > JO66 B SM7AED  
 08130410+OH9SIX 559 > JO66 B SM7AED  
 08130941 OH3KKW MS > JO54 OZ3ZW  
 08131007 OH5YQ MS > JO54 OZ3ZW  
 08160915+OH1SIX 579 > 1215 > IO80 B G4UPS  
 08161043 OH2TI 59/59 KP20KE PETER S G4UPS  
 08181120 OH9SIX 569 > IO80 B G4UPS  
 08181830+OH3XA KP20 > JO65 H SM7AED  
 08181830+OH43RA KP31 > JO65 H SM7AED  
 08181830+OH9SIX S9+ Es > JO65 B SM7AED  
 08181840 OH9NDD KP26 > JO65 SM7AED  
 08190742 OH3XA 57/57 KP20 > IO80 S G4UPS

08221709 OH1LEU/2 59/59 KP20LL S G4UPS  
 08221731 OH2LXY 579/579 KP20KE C G4UPS

## FRANCE

07071145 F5QT S2 JN06 50.115 S VE3KKL  
 07071234 F1AKE 45 IN86WE 50.130 S VE3KKL  
 07161833 F1BRV JN16MX > JP70 SM4POB  
 08010911 F5BYM IN94 > JO66 SM7AED  
 08021045 F1JG JN23 > JO66 SM7AED  
 08022045 F1JG 59/57 JN23 JACK S G4UPS/P  
 08051232 F9OE IN78 > JO66 SM7AED  
 08051301 F6GPT IN94 > JO66 SM7AED  
 08120813 F8OP MS > JO66 SM7AED  
 08130913+F5BUU MS > JO54 OZ3ZW

## GERMANY

07080135 DF5LQ 559 50.105 H VE3KKL  
 07251718 DL7AV 59/59 S G4UPS/P  
 07301434 DJ5CL 599/559 JN58 INGO C G4UPS/P  
 07301437 DL5MAE 59/57 JN58VH WOLF S G4UPS/P  
 08031752 DL6TK 59/59 JO53FG WILF S G4UPS/P  
 08051052 DJ5CL > JO65 SM7FJE  
 08060728+DK2ZF 569 MS > IO92 G4UPS/P  
 08100705 DJ6TK JO53 TROP > JO66 SM7AED  
 08100722 DL7AEN JO62 TROP > JO66 SM7AED  
 08110704 DL7AEN JO62 TROP > JO66 SM7AED  
 08130740+DK1KM MS > JO54 OZ3ZW  
 08130824+DJ9YE MS > JO54 OZ3ZW

## GIBRALTAR

07071530 ZB2VHF B VE3KKL  
 07112012 ZB2VHF WEAK B VE3KKL  
 07182333 ZB2VHF B VE3KKL  
 07221331 ZB2VHF S2 B VE3KKL  
 07251840 ZB2VHF 579 > IO92 B G4UPS/P  
 07300745 ZB2VHF 579 > IO92 B G4UPS/P  
 07301140+ZB2VHF 599 > IO92 B G4UPS/P  
 07310730 ZB2VHF 599 > IO92 B G4UPS/P  
 08021238 ZB2VHF S4 B VE3KKL  
 08021540+ZB2VHF 579 > IO92 B G4UPS/P  
 08021630+ZB2VHF S4 B VE3KKL  
 08031815 ZB2VHF > JO65 B SM7FJE  
 08041700 ZB2VHF 569 > IO92 B G4UPS/P  
 08071630 ZB2VHF 579 > IO92 B G4UPS/P  
 08130725 ZB2VHF 559 > IO92 B G4UPS/P  
 08160915+ZB2VHF 579 > IO80 B G4UPS  
 08160936 ZB2EO 559 WK 0953 > IO80 H G4UPS  
 08181132 ZB2VHF 559 > IO80 B G4UPS  
 08221130 ZB2VHF 599 > 1230 > IO80 B G4UPS  
 08291700 ZB2VHF 579 & 1840 > IO80 B G4UPS  
 08300930 ZB2VHF 579 -1100 > IO80 B G4UPS  
 08301200 ZB2VHF 559 -1231 > IO80 B G4UPS

## GREECE

07011642 SV1EN KM18VA > JP70 SM4POB  
 07012220 SV1DH KM27 > JP70 SM4POB  
 07021955 SV1AHX KM18UA > JP70 SM4POB  
 07301320+SV1SIX 569 > IO92 B G4UPS/P  
 08011225 SV1SIX > JO66 B SM7AED  
 08200855+SV1SIX > JO65 B SM7AED  
 09170950+SV8?? H G3OIL

## IRELAND

07042057 EI8HZ 54 50.120 S VE3KKL  
 07071152 EI4EY 55 IO52QP 50.120 S VE3KKL

## ITALY

07301011 IK2MKL 59/55 JN45TS > IO92 S G4UPS/P  
 08010636 IK0OZD JN61 > JO66 SM7AED  
 08011223 I7UNU JN81 > JO66 SM7AED  
 08031840 IK1EGC > JO66 SM7AED  
 08051033 IK0OKY JN61 > JO66 SM7AED  
 08051046 IK3GLD JN55 > JO66 SM7AED  
 08051302 IK2GSO JN45 > JO66 SM7AED  
 08071630+IK5 > IO92 G4UPS/P  
 08071707 ID9/I2AE JM78 > JO65 SM7FJE  
 08071828 ID9/I2AE 57/55 JM78JN IO92 S G4UPS/P  
 08071856 ID9/I2AE JM78 > JO65 SM7AED  
 08071936+ID9/I2AE > JO54 OZ3ZW  
 08080500 IK0OKY JN61 519-53 > JO65 SM7AED  
 08100500 IK0OKY JN61 E-SCAT > JO66 SM7AED  
 08100710 ID9/I2AE JM78 > JO66 SM7AED  
 08110500 IK0OKY JN61 E-SCAT > JO66 SM7AED



08111553 I5FLN JN53 > JO66 SM7AED  
 08120834 IV3NDC MS > JO66 SM7AED  
 08122350 IV3NDC MS > JO54 OZ3ZW  
 08130005+IK0OKY MS > JO54 OZ3ZW  
 08150500 IK0OKY JN61 E-SCAT+MS > JO65 SM7AED  
 08151550 I7WAN JN81 Es > JO65 SM7FJE  
 08152030 IK3MLF 599/599 JN55WJ C G4UPS  
 08152129 IK5WWF 59/59 JN53DV ALBERTO G4UPS  
 08200810 IK2SGC/7 JM99 > JO65 SM7AED  
 08200825 IC8CQF JN70 > JO65 SM7AED  
 08200844 IK2AEQ/7 JM99 > JO65 SM7AED  
 08221932 IK2GSO 559/559 > IO80 C G4UPS

## JERSEY

08130824+GJ4ICD MS > JO54 OZ3ZW

## LATVIA

08031607 YL3AG 569, WK 1652 > IO92 G4UPS/P  
 08031641 YL3AG KO26 > JO66 SM7AED  
 08031652+YL2DX 599 > IO92 G4UPS/P

## MACEDONIA

08071936 Z32BU > JO54 OZ3ZW  
 08071945 Z32BU KN01 > JO65 SM7AED  
 08071952 Z34XMA KN02 > JO65 SM7FJE  
 08072003 Z34XMA KN02 599 > JO65 C SM7AED  
 08151853 Z32BO > JO54 OZ3ZW

## MALTA

07021913 9H5EE JM75GV > JP70 SM4POB  
 08010628 9H1PA JM75 > JO66 SM7AED  
 08010725 9H1SIX 50.024 B SM7AED  
 08011401 9H5DV, 9H5EE, 9H5DM JN75 SM7AED  
 08100700 9H1SIX > JO66 B SM7AED  
 08200856 9H1AL JM75 Es > JO65 SM7AED

## MOLDAVIA

07251740 ER5AA 57 S G3OIL  
 08031703 ER5DX KN46 > JO66 SM7AED  
 08051001 ER5WU KN45 > JO66 SM7AED  
 08071840 ER5WU KN46 > JO65 H SM7AED  
 08071847 ER5WU > JO54 OZ3ZW

## NETHERLANDS

07071232 PE1MCD 55 JO23XO 50.130 S VE3KKL  
 07072236 PA3BFM 55 JO22 50.165 S VE3KKL  
 07182330 PE1EAU 549 50.110 H VE3KKL  
 08011130 PA3FYM JO22 > JO66 50.052 B SM7AED  
 08011135 PA0TLX > JO66 SM7AED  
 0810 PA3DWD JO23 TROPO > JO65 SM7FJE  
 08110712 PA3GML TROP > JO66 SM7AED  
 08130713+PB0ALN MS > JO54 OZ3ZW

## NORWAY

08010615 LA7SIX 579 ES > JO66 B SM7AED  
 08100515 LA7SIX E-SCAT > JO66 B SM7AED  
 08120643 LA8KV JO59 TROPO > JO66 SM7AED  
 08121952 LA0BY/P KQ10 MS > JO66 SM7AED  
 08122000 LA0BY/P KQ10 > JO65 SM7FJE  
 08130410+LA7SIX 539 E-SCAT > JO66 B SM7AED  
 08181830+LA1MFA JP99 > JO65 H SM7AED  
 08181830+LA7SIX S9+ Es > JO65 B SM7AED

## POLAND

07301350 SR6SIX 569 > IO92 B G4UPS/P  
 08011844 SP4MPB 599 KO03 MIREK -2015 G4UPS/P  
 08011853 SR5SIX 579 > IO92 B G4UPS/P  
 08011853+SP5SS 55, SP5XAB 59 > IO92 G4UPS/P  
 08112049 SP5CCC KO02 MS > JO66 SM7AED  
 08112051 SP6RZA JO81 > JO65 SM7FJE  
 08112100 SP7RFE KO01 > JO65 SM7FJE  
 08112142 SP6LB JO70 > JO65 SM7FJE  
 08112302 SP7DSB JO91 MS > JO65 SM7FJE  
 08121644 SP9DSJ JO90 MS > JO66 SM7AED  
 08121820 SP6GZZ JO81 MS > JO66 SM7AED  
 08122049 SP9HWY JO90 MS > JO66 SM7AED  
 08122050 SP4MPB KO03 MS > JO66 SM7AED  
 08122355 SP6GZZ MS > JO54 OZ3ZW  
 08130524 SP6BTH MS > JO66 SM7AED  
 08130544 SP8NCJ KO12 MS > JO66 SM7AED  
 08160742 SP4MPB 59 WK 0806 > IO80 H G4UPS  
 08181633 SP8NCJ 59/59 > IO80 S G4UPS  
 08220759 SR5SIX 579 -0801 > IO80 B G4UPS

## PORTUGAL

07041545 CT4KQ 55 IN60BP 50.115 S VE3KKL  
 07052132 CT/G3SDL 52 IM57 50.125 S VE3KKL  
 07071530 CT1BH 55 IN51 TONY 50.127 S VE3KKL  
 07102147 CT0DVV 55 IN50 50.110 S VE3KKL  
 07102226 CT0WW S2 B VE3KKL  
 07112021 CT0WW WEAK B VE3KKL  
 07161725 CSORCL IM56 > JP70 SM4POB  
 07221325 CT1DVV 55 IO50 50.110 S VE3KKL  
 07241400 CT0WW 599 > IO92 B G4UPS/P  
 07251729+CT0WW 579 > IO92 B G4UPS/P  
 07251840+CT4UV 59, CT1BGE 59 > IO92 H G4UPS/P  
 07301140 CT1BWU 59 > IO92 G4UPS/P  
 07301219 CT4UV 59/58 IN51PI TELMO S G4UPS/P  
 07310730+CT0WW 579 > IO92 B G4UPS/P  
 08021040 CT0WW IN61 > JO66 B SM7AED  
 08031255 CT4UV IN51 > JO66 SM7AED  
 08041700+CT1END 59 > IO92 G4UPS/P  
 08041915 CT0WW 599 > IO92 B G4UPS/P  
 08051638 CT1FJC IM67 > JO65 SM7FJE  
 08072018+CT0WW 559 -2100 > IO92 B G4UPS/P  
 08081930 CT4UV 55 > IO92 G4UPS/P  
 08160936+CT0WW 569 > IO80 H G4UPS  
 08161142 CT1ENW 59/59 IM67HD HELIO S G4UPS  
 08170930 CT0WW 559 -0945 > IO80 B G4UPS  
 08221130+CT0WW 559 >1230 > IO80 C G4UPS

## RUSSIAN FEDERATION (EUROPE)

08051650 UA TV INBAND -1740 > IO92 I G4UPS/P  
 08160510 UA TV > JO65 I SM7AED  
 08160700 UA INBAND TV > IO80 I G4UPS  
 08181610 UA INBAND TV > IO80 I G4UPS

## SA MARINO

08011201 T72EB/A JN63 > JO66 SM7AED

## SARDINIA

07022112 IS00MH JN40EU > JP70 SM4POB  
 08021900 IS0QDV 55 > IO92 G4UPS/P  
 08081806 IS0QDV JM49 > JO65 SM7AED  
 08200855 IS0QDV > JO65 H SM7AED

## SCOTLAND

07071233 GM1PKN 52 IO75 50.130 S VE3KKL  
 07071236 GM3WIL 52 IO75QL 50.130 S VE3KKL  
 07071245 GM7NZI 45 IO75TI 50.130 S VE3KKL  
 07071258 GM4OBD 45 IO87XI 50.111 S VE3KKL  
 07071259 GM4WJA 58 IO87 50.110 S VE3KKL  
 07191654 GM3JIJ 55/57 IO68 > JP70 SM4POB  
 08121012 GM4ODA/P IO68 > JO54 OZ3ZW  
 08130913 GM4ODA/P MS > JO54 OZ3ZW  
 08161126 GM4ODA/P IO68 Es > JO65 SM7AED  
 08161133 GM7SJC IO87 Es > JO65 SM7AED  
 08180840+GB3LER 579 FOR 15 MIN B G4UPS  
 08250742 GM1PKN 51/51 IO75 > IO80 S G4UPS  
 09111600 GB3LER AU > IO99IW 50.064 B GM4IPK

## SERBIA

07251630 YU1SIX 569 > IO92 B G4UPS/P  
 07251729+YU7FU 57 > IO92 H G4UPS/P  
 08071555 YU1AD 599/599 KN04 MIRKO C G4UPS/P  
 08071559 YU1AU 599/599 KN04CP ZIKA C G4UPS/P  
 08071610 4N0SIX 449 > IO92 B G4UPS/P  
 08071840+YU1ABA KN04 > JO65 SM7AED  
 08071923 YU1AU > JO54 OZ3ZW  
 08130005 YU1EU MS > JO54 OZ3ZW  
 08151541 YU1AU 59/56 KN04CP ZIKA S G4UPS  
 08151945 YU1QC 559 > IO80 H G4UPS  
 08152010 YU1SIX 579 > IO80 B G4UPS  
 08152017 YU1ABA 599/589 KN04 JOCO C G4UPS  
 08152021 YU1EU 59/59 KN04 AL S G4UPS  
 08152024 YU1AU 59/59 > IO80 S G4UPS  
 08152027 YU1QC 59/59 KN04FU IVAN S G4UPS  
 08291700 YU1EU 59+ > IO70 G  
 09170947 YU7FU 59 KN04 50.115 G3OIL

## SICILY

08200804 IT9NAN JM77 > JO65 SM7AED

## SLOVENIA

07241555 S57AC 59/55 JN76 > IO92 G4UPS/P  
 07251720 S55HH 59/55 JN86CQ S G4UPS/P  
 07251729 S55BB 59 > IO92 H G4UPS/P



07301007 S553FO 59/59 JN76ID > IO92 S G4UPS/P  
 07301007+S55ZRS 599 > IO92 B G4UPS/P  
 08010729 S57AC JN76 > JO66 SM7AED  
 08031828 S56A 59/59 JN76 > IO92 G4UPS/P  
 08031838+S55ZRS 599 -1900 > IO92 B G4UPS/P  
 08051545 S55ZRS 559 > IO92 B G4UPS/P  
 08071630+S55ZRS 559 > IO92 B G4UPS/P  
 08110540 S59A MS > JO66 SM7AED  
 08151958 S55ZRS 569 > IO80 B G4UPS  
 08152021+S52QR 57 > IO80 H G4UPS  
 08161130+S57AC 579 > IO80 H G4UPS  
 09170951 S55HH 59 JN86 50.109 G3OIL

## SPAIN

07041505 EH7AH 55 IM67? 50.110 S VE3KKL  
 07041723 EH3DUY JN12LD > JP70 SM4POB  
 07071759 EH7CD IM86, EH7DUW IM76 SM4POB  
 07071801 EH1EBJ IN73 > JP70 SM4POB  
 07161830 EH2JG IN83MC > JP70 SM4POB  
 07211807 EH3CUU 579/559 JN12FT > JP70 SM4POB  
 07241520 EH1KV 579/559 IN52 > IO92 G4UPS/P  
 07251630 EA3VHF 569 > IO92 B G4UPS/P  
 07251630+EH3DUY 57 > IO92 G4UPS/P  
 07251701 EH3CN 59/59 JN11BI MANUEL S G4UPS/P  
 07300826 EH7KW 599/599 IM67 > IO92 C G4UPS/P  
 07301052 EH2LU 59, EH3LL 579 G4UPS/P  
 07301056 EH2LU 59/59 > IO92 S G4UPS/P  
 08011007 EH1EH IN82 > JO66 SM7AED  
 08021054 EH1KV > JO66 SM7AED  
 08021624 EH7BVD 55, EH3BTZ 59 G4UPS/P  
 08021650 EA3VHF 569 > IO92 B G4UPS/P  
 08021657 EH3BTZ 59/59 > IO92 B G4UPS/P  
 08022042 EH3CUU 599/599 JN12FE C G4UPS/P  
 08022120 EH1EH 599/599 IN82PO C G4UPS/P  
 08022132 EH2JG G4UPS/P  
 08031225 EH1DVY/P IN82 > JO66 SM7AED  
 08041820 EH7KW 59, & 1850 > IO92 G4UPS/P  
 08041915+EH1ENW 59 > IO92 G4UPS/P  
 08071855 EH7CD 59/59 IM86 JOSE S G4UPS/P  
 08071913 EH7AG 59/55 ANDREAS > IO92 S G4UPS/P  
 08081930+EH1YV 59 FOR 20 MIN > IO92 H G4UPS/P  
 08160925 EH4AV 59/59 IM88ES > IO80 S G4UPS  
 08181130 EH7CD 59/59 IM86RQ JOSE S G4UPS  
 08291843 EH7CD 59/59 IM86RQ > IO80 S G4UPS  
 08291849 EH4AV 57 WKG G -1945> IO80 H G4UPS  
 08300947 EH4AV 59/57 IM88ES XAVIER S G4UPS  
 08301129 EH7CD 57 -1137 > IO80 H G4UPS

## SVALBARD

0626 JW7SIX > JP81 B SM3EQY  
 07272025 JW7SIX -2245 419-539 >JP70 B SM4POB

## SWEDEN

07161515 SM2GCQ 57A/57A KP15 > JP70 SM4POB  
 07250750 SM7AED 569/449 MS > IO92 G4UPS/P  
 07252019 SM0LCB/7 JO78 > JP70 SM4POB  
 07300715 SM7FJE 559 > IO92 H G4UPS/P  
 07300747 SM7AED 579/449 > IO92 C G4UPS/P  
 07310752 SM7AED 579/449 MS > IO92 C G4UPS/P  
 08010650 SM7AED 559-579 -0755 >IO92 W G4UPS/P  
 08031725 SK3SIX 579 > IO92 B G4UPS/P  
 08060540 SK3SIX 519 TROPO 566 KM B SM7AED  
 08060728 SM7AED/ 559/569 JO66> IO92 C G4UPS/P  
 08070748 SM7AED 579/579 JO66 > IO92 C G4UPS/P  
 08080749 SM7AED 579/559 > IO92 C G4UPS/P  
 08110530 SK3SIX 559 TROP > JO66 B SM7AED  
 08110800 SM7AED 579/579 > IO92 C G4UPS/P  
 08120545 SM3EQY JP81 TROPO > JO66 SM7AED  
 08120734 SM7AED 579/579 JO66 > IO92 C G4UPS/P  
 08120756 SM7FJE 579/579 > IO92 C G4UPS/P  
 0813 SM4MPB KO03 MS > JO65 SM7FJE  
 08130410 SK3SIX 529 TROPO > JO66 B SM7AED  
 08160750 SM7AED 569/559 > IO80 C G4UPS  
 08161050+SK3SIX 599 > IO80 B G4UPS  
 08221720 SM1MUT 57 > IO80 H G4UPS  
 08270750 SM7AED 569/449 > IO80 C G4UPS  
 09111600 SK4MPI AU > IO99I2 144? B GM4IPK

## SWITZERLAND

07071737 HB9STY JN36 > JP70 SM4POB  
 08152047 HB9FAF 579/569 JN46JD SEVE C G4UPS  
 08152052 HB9OAB 59/59 JN46ME FRANK S G4UPS  
 08152104 HB9RNC 57/56 JN45LX ROBY S G4UPS  
 08152104+HB9RUZ 57 > IO80 H G4UPS

## UKRAINE

07020813 UT6X KO41 > JP70 SM4POB  
 07241716 UT8AL 569/599 KO61WP > JP70 SM4POB  
 07311949 UX0FF KN45 599 C G3OIL  
 08040711 UX0FF KN45 > JO66 SM7AED  
 08071803 UX0FF KN45 > JO65 SM7FJE  
 08071840 UX0FF KN45 > JO65 SM7AED  
 08071853 UX0FF > JO54 OZ3ZW

## WALES

07042100 GW2HIY 54 IO83HI 50.115 S VE3KKL  
 07071147 GW3JXN 55 IO72RC 50.128 S VE3KKL  
 07071214 GW8FKB 54 IO73 50.135 S VE3KKL  
 07071239 GW2HIY 55 IO83 50.130 S VE3KKL  
 07081200 GW4VEM 559 50.104 H VE3KKL  
 08121029 GW6JNE > JO54 OZ3ZW  
 08130909 GW6VZW MS > JO54 OZ3ZW

## Reports of North America

This month's TV reporters in North America include Pat Dyer, WA5IYX, San Antonio, TX; Danny Oglethorpe, Shreveport, LA; William Draeb, Kewaunee, WI; Frank Aden, N7SOK, Boise, ID; Randy Miltier, KK6TQ/7, Ashland, OR; and Mike Cherry, VE7SKA, Salt Spring Island, BC, Canada.

## EASTERN CANADA

07071940 VE1YX 59/59 FN74 > JP81 W SM3EQY  
 07071950 VE1YX FN74 > JP70 SM4POB  
 07072010 VE9AA 57/57 FN65 > JP81 W SM3EQY  
 07072024 VE9AA FN65 > JP70 SM4POB  
 07112003 VE1HD 55 50.110 S VE3KKL  
 07182333 VE1PZ B VE3KKL  
 07182342 VE1HD 59 50.110 S VE3KKL  
 07221305 VE1PZ CLG DX 50.110 H VE3KKL  
 07222250 VE1PZ S7 FN85QR B VE3KKL  
 07241115 VE3/WZ8D 55 EO80 50.125 S VE3KKL  
 07241440 VE3/WZ8D/M EN89 50.125 S VE3KKL  
 07251101 VE3/WZ8D 55 EN78 50.125 S VE3KKL  
 07251212 VE1PZ 59 FN85 DOUG 50.125 S VE3KKL  
 07251212 KK1YX BOB 50.125 S VE3KKL  
 07251229 XJ1CWI 55 FN85 AL 50.125 S VE3KKL  
 08021600 VE1PZ EH3BTZ  
 08032136 VE3WHS 44 EN93 BILL 50.132 S VE3KKL  
 08062329 CHBX 2 ON 1098 >EM32 T OGLETHORP  
 08070000 CKCO2 2 ON 1103 CTV >EM32 T OGLETHORP  
 08072140 CIII2 2 ON 1225 >EM32 T OGLETHORP  
 08072220 CKCO2 2 ON 1103 >EM32 T OGLETHORP  
 08072225 CHBXt 2 ON BBS,MCTV >EM32 T OGLETHORP  
 08151303 VE1ZJ <1440 50.034 H VE3KKL

## WESTERN CANADA

07112208 VE7SKA 57 CN88 50.150 S VE3KKL  
 07202352 VE4ZK 59 EO21 KELLY 50.125 S VE3KKL  
 07210115 VE4CP 59 EO00 BUD 50.140 S VE3KKL  
 07260300 CFRNt 3 AB > EN64 T DRAEB  
 08032123 VE7SKA 55 CN88 50.130 S VE3KKL  
 08032124 VE7FEI 57 CN88 50.130 S VE3KKL  
 08032153 VE7HCE 59 CN99 GLEN 50.132 S VE3KKL  
 08032207 VE7HCP 54 CN89 HENRY .150 S VE3KKL  
 08032216 VE7WMH 55 BILL 50.150 S VE3KKL  
 08042117 CFRN 3 AB 894 >CN82 T KK6TQ/7  
 08052358 CKND2 2 MB 1279 >EM32 T OGLETHORP  
 08062001 CFQC 3 SK 930 >CN82 T KK6TQ/7  
 08062034 CICT 2 AB 736 >CN82 T KK6TQ/7  
 08062038 CKSA 2 AB 967 >CN82 T KK6TQ/7  
 08121400 VE6 K6QXY  
 08160200 VE7 K6QXY  
 09010130 VE6XIS -0300 > CM88 B K6QXY  
 09010243 VE6BCC, VE6JW 59 DO33 K6QXY  
 09101942+VE6JW QTF070 50.125 H VE7SKA  
 09110228 VE6TA QTF050 AU DO31 .125 S VE7SKA

## CUBA

08010025 Cuba 2 >EM32 T OGLETHORP  
 08051555 Cuba 2 -1700&2155 >EM32 T OGLETHORP

## MEXICO

07182304 XE3WP EL51,55 50.135 H VE3KKL  
 07252329 XHPN 3 1314 > EN64 T DRAEB  
 08011600 unIDe 2,4,5 Mexico >EM32 T OGLETHORP  
 08090129 XHBC 3 BC 735 >CN82 T KK6TQ/7



08191645 XHBC 3 BCN MEXICALI 1022 T WA5IYX  
 08191730 XE2HWB/B, QSO 1738 55 DL44 S K6QXY  
 09010123 XE2UZL DM12 QTF140 50.0275 B VE7SKA  
 09010130 XHBC 3 BCN QTF140 1197 T VE7SKA  
 09192000 XE FM GUERRERO NEGRO TROPO F KH6FOO

## NEWFOUNDLAND

07080135 VO1ZA B VE3KKL  
 07112000 VO1ZA S4 B VE3KKL  
 07182328 VO1ZA S9 B VE3KKL  
 07201505 VO1ZA B VE3KKL  
 07221331 VO1ZA S3 B VE3KKL  
 07312145 VO1ZA S4 B VE3KKL  
 08012245 VO1ZA S4, S2 @ 2346 B VE3KKL  
 08021238 VO1ZA S5, S4 @ 1630+ B VE3KKL

## PRINCE EDWARD

07071909 VY2KX FN86 > JP70 SM4POB  
 07071928 VY2KX 58/55 FN86 > JP81 W SM3EQY  
 07222030 VY2REG FN85 50.110 H VE3KKL

## United States, W1

07072031 K1TOL 58/51 FN44 > JP81 W SM3EQY  
 07072034 N1HOV 56/55 FN53 > JP81 W SM3EQY  
 07072035 K1GPJ 55/51 FN44 > JP81 W SM3EQY  
 07072036 KM1H 57/57 FN42 > JP81 W SM3EQY  
 07072037 K1ZZ 55/55 FN31 > JP81 W SM3EQY  
 07072038 KA1A 42/52 FN45 > JP81 W SM3EQY  
 07072040 K1JRW 43/53 FN32 > JP81 W SM3EQY  
 07072042 WA1OUB FN43 > JP70 SM4POB  
 07072113 KM1H FN42 > JP70 SM4POB  
 07072126 WZ1V 55/52 FN31 > JP81 W SM3EQY  
 07072130 W1GDP? FN55 > JP81 H SM3EQY  
 07072134 WZ1V FN31 > JP70 SM4POB  
 07182332 WA1OUB 55 ON SIDE H VE3KKL  
 07221315 WA1OUB S8 WKG EH7? 50.110 H VE3KKL  
 07251212 W1AIM 59 CHIP 50.125 S VE3KKL

## United States, W2

07072042 K2SMN 55/44 FN20 > JP81 W SM3EQY  
 07072059 K2ZRL 55/56 FM29 > JP81 W SM3EQY  
 08031340 WGRZ 2 NY 1091 >EM32 T OGLETHORP  
 08031758 WGRZ 2 NY 1091 >EM32 T OGLETHORP

## United States, W3

07072026 WB3LJC 55/44 FM19 > JP81 W SM3EQY  
 07072029 W3WFM 55/55 FM19 > JP81 W SM3EQY  
 07072030 W3OTC 55/55 FM19 > JP81 W SM3EQY  
 07072047 K3ZO FM19 > JP70 SM4POB  
 07112357 KD3RZ 55 EN47 50.190 S VE3KKL  
 08031455 KDKA 2 PA 945 >EM32 T OGLETHORP

## United States, W4

07072002 W4DR 55/55 FM17 > JP81 W SM3EQY  
 07072028 KN4UI 54/55 FM07 > JP81 W SM3EQY  
 07072028 WB4DBB 55/55 FM07 > JP81 W SM3EQY  
 07072032 WB4WTC 54/44 EM95 > JP81 W SM3EQY  
 07072033 W4MYA 55/55 FM07 > JP81 W SM3EQY  
 07072045 N4MM FM09 > JP70 SM4POB  
 07072104 W4DR FM17 > JP70 SM4POB  
 07072108 W4MYA 6630 KM FM07 > JP70 SM4POB  
 07101315 K4TQP EM63 B VE3KKL  
 07240026 WEDU 3 FL 1192 > EN64 T DRAEB  
 07252355 WCBT 2 SC 900 > EN64 T DRAEB  
 07252355+WCIvt 4 SC > EN64 T DRAEB  
 07260010 WWAY 3 NC 885 > EN64 T DRAEB  
 07302258+WEDU 3 FL 1192 > EN64 T DRAEB  
 08010045 WESH 2 FL 789 >EM32 T OGLETHORP  
 08010115 WPBT 2 FL 939 >EM32 T OGLETHORP  
 08030315 WCBTdt 2 SC > EN64 T DRAEB  
 08031700 WEAR 3 FL > EN64 T DRAEB  
 08051525 WPBT 2 FL 939 >EM32 T OGLETHORP  
 08051629 WPBT 2 FL -1700 >EM32 T OGLETHORP  
 08051945 WPBT 2 FL 939 >EM32 T OGLETHORP  
 08052210 WTVJ 4 FL 939 >EM32 T OGLETHORP  
 08061715 WESH 2 FL 789 >EM32 T OGLETHORP  
 08061715+WPBT 2 FL 939 >EM32 T OGLETHORP  
 08062158 WUND 2 NC 1031 >EM32 T OGLETHORP  
 08082128 WBTv 3 NC CHARLOTTE 1090 T WA5IYX  
 08082129 WEDU 3 KY LOUISVILL 994 T WA5IYX  
 08082137 WESH 2 FL 789 >EM32 T OGLETHORP  
 08082225 WCBT 2 SC 805 >EM32 T OGLETHORP  
 08082240 WFMyt 2 NC CBS >EM32 T OGLETHORP

08082245 WUND 2 NC 1031 >EM32 T OGLETHORP  
 08082300 WWAY 3 NC WILMINGTO 1237 T WA5IYX  
 08091518 WESH 2 FL DAYTONA B 1040 T WA5IYX  
 08181900 WAVE 3 KY LOUISVILL 974 T WA5IYX  
 08181920 WPBT 2 FL 939 >EM32 T OGLETHORP  
 08181929 WTVJt 4 FL >EM32 T OGLETHORP  
 09170001 W4 EM63,64,65,EL89 -0039 WB2ODH/6  
 09171530+W4 FM04 > DN70 -1700 KOGU

## United States, W5

07210215 W5/W1ICW 54 EM01 TEX .132 S VE3KKL  
 07240014 WWL 4 LA 1030 > EN64 T DRAEB  
 07240014+WMABt 2 MS > EN64 T DRAEB  
 07240205 KFDX 3 TX > EN64 T DRAEB  
 07252200 KDFW 4 TX 957 > EN64 T DRAEB  
 07252200 KJRHt 2 OK > EN64 T DRAEB  
 07252200+KOETt 3 OK > EN64 T DRAEB  
 07252306 KXAS 5 TX 975 > EN64 T DRAEB  
 07252320 KBTX 3 TX > EN64 T DRAEB  
 07252329+KMOLt 4 TX > EN64 T DRAEB  
 07260129 KFOR 4 OK 800 > EN64 T DRAEB  
 07302258+KDFWt 4 TX > EN64 T DRAEB  
 08011757 KENW 3 NM 1187 >CN82 T KK6TQ/7  
 08011900 KENW 3 NM CB >CN82 T KK6TQ/7  
 08031700+KXAS 5 TX 975 > EN64 T DRAEB  
 08031700+WDSU 6 LA 1030 > EN64 T DRAEB  
 08031700+WWL 4 LA 1030 > EN64 T DRAEB  
 08031720 KDFW 4 TX 957 > EN64 T DRAEB  
 08031733 KAMR 4 TX 1200 > EN64 T DRAEB  
 08031733+KMOL 4 TX 1200 > EN64 T DRAEB  
 08031741 KAuzt 6 TX > EN64 T DRAEB  
 08031741+KFDXt 3 TX > EN64 T DRAEB  
 08041700 KTXt 5 TX >DN13 T N7SOK  
 08041800 KSWK 3 OK >DN13 T N7SOK  
 08050310 KB5YUA 59 EM44 ALEX 50.125 S VE3KKL  
 08052330 KSWK 3 OK >2400Z >DN13 T N7SOK  
 08060100 KENW 3 NM >DN13 T N7SOK  
 08060155 KASA 2 NM 753 >EM32 T OGLETHORP  
 08060215 KNME 5 NM 764 >EM32 T OGLETHORP  
 08060401 KOB 4 NM 764 >EM32 T OGLETHORP  
 08100300 KENW 3 NM // KTVK-3 AZ T N7SOK  
 08131700 W5 NM K6QXY  
 08160200 W5 NM K6QXY  
 08180100 W5VAS S5+ B VE3KKL  
 08181548 W5VAS S5+ B VE3KKL  
 08320300 KENWt 3 NM >DN13 T N7SOK  
 0910AM KC5FMT EL29 CO2OJ  
 0910AM KG5VH, W3XO/5 EM00 CO2OJ  
 09170001 W5 EM10,11,12,13,14,15 -0039 WB2ODH/6

## United States, W6

08052330 N6RMJ S2-5 DN14 50.135 H VE3KKL  
 08100400 KRON 4 CA QTF155 >CN88 T VE7SKA  
 08100400 KTVU 2 CA QTF155 >CN88 T VE7SKA  
 08160233 KCBS 2 CA QTF155 1047 T VE7SKA  
 09072152 N6XQ 51/41 TR 144.200 S KH6FOO  
 09080550 AC6CM 59 QSB TR 144.200 S KH6FOO  
 09101437+N6KN DM03 QTF145 MS 50.125 H VE7SKA  
 09101501 WA6PEV DM15 140 MS 50.125 S VE7SKA  
 091102XX N6KN DM03 > CN99 Es VE7HCE  
 09192000 W6 FM SAN FRANCISCO TR T KH6FOO

## United States, W7

07020649 W7FI, 0657 K7CW >9000 KM JG3GMG/6  
 07112152 K7VNU 55 CN97 50.145 S VE3KKL  
 07192345 N7KA 55 DM65 50.160 H VE3KKL  
 07230151 W7/K1BM 54 DN71 BOB 50.138 S VE3KKL  
 07230210 KC7IJ 57 DN44 MEL 50.140 S VE3KKL  
 08011746 KTVK 3 AZ 835 >CN82 T KK6TQ/7  
 08011802 KVOAt 4 AZ 943 >CN82 T KK6TQ/7  
 08031820 KNAZ 2 AZ 1045 >EM32 T OGLETHORP  
 08032129 KA7MCX 57 CN87 50.132 S VE3KKL  
 08032131 KC7DRS 57 50.132 S VE3KKL  
 08032132 W7WT 59 CN87 DICK 50.132 S VE3KKL  
 08032134 K7IEY 57 CN88 AL 50.132 S VE3KKL  
 08032155 WA7UQV 57 CN87 50.140 S VE3KKL  
 08032205 N7MWV 55 CN87 50.150 S VE3KKL  
 08032214 K7MQF 58 CN88 50.150 S VE3KKL  
 08042049 KIDK 3 ID IDAHO FAL 1240 T WA5IYX  
 08052329 KUTV 2 UT 1160 >EM32 T OGLETHORP  
 08052343 KTVX 4 UT 1160 >EM32 T OGLETHORP  
 08060150eKSGI 4 UT 1151 >EM32 T OGLETHORP  
 08060158 KCWC 4 WY 1071 >EM32 T OGLETHORP  
 08060158 KNAZ 2 AZ 1045 >EM32 T OGLETHORP



|          |                       |                 |                   |                 |                      |                     |                   |
|----------|-----------------------|-----------------|-------------------|-----------------|----------------------|---------------------|-------------------|
| 08060445 | KVOA                  | 4 AZ 1004       | >EM32 T OGLETHORP | 08041757        | KOAA                 | 5 CO                | >DN13 T N7SOK     |
| 08061630 | KTWO                  | 2 WY 834        | >CN82 T KK6TQ/7   | 08041817        | KWGN                 | 2 CO ID seen        | >DN13 T N7SOK     |
| 08090014 | KTVK                  | 3 AZ            | >CN82 T KK6TQ/7   | 08041930        | KOTA                 | 3 SD RAPID CIT 1039 | T WA5IYX          |
| 08090111 | KTVK                  | 3 AZ            | >CN82 T KK6TQ/7   | 08042000        | KBSD                 | 6 KS 1231           | >CN82 T KK6TQ/7   |
| 08090215 | KUATt                 | 6 AZ 943        | >CN82 T KK6TQ/7   | 08042030        | KOTA                 | 3 SD 989            | >CN82 T KK6TQ/7   |
| 08100240 | KTWO                  | 2 WY            | >CN82 T KK6TQ/7   | 08050310+KOUS   | EN10                 |                     | H VE3KKL          |
| 08100259 | KVBC                  | 3 NV QTF145     | >CN88 T VE7SKA    | 08050312        | NOLL                 | 54 LARRY 50.125     | S VE3KKL          |
| 08121016 | KXLY                  | 4 WA ID, MS     | >DN13 T N7SOK     | 08050430        | KOGU                 | 54 DN70             | H VE3KKL          |
| 08121258 | KXLYt                 | 4 WA CB MS      | >DN13 T N7SOK     | 08050450        | NOAEI                | 59 EN11 DALE 50.125 | S VE3KKL          |
| 08121400 | W7 NV                 |                 | K6QXY             | 08050450+WBORMO |                      | 50.060              | B VE3KKL          |
| 08131555 | KNAZ                  | 2 AZ 1045       | >EM32 T OGLETHORP | 08052331        | KOTA                 | 3 SD RAPID CIT 1039 | T WA5IYX          |
| 08151303 | W7FN                  | <1440           | 50.034 H VE3KKL   | 08052335        | KGFE                 | 2 ND 1086           | >EM32 T OGLETHORP |
| 08160200 | W7 OR,WA              |                 | K6QXY             | 08052335        | NOIGZ                | S4 EM27 50.125      | H VE3KKL          |
| 08161858 | KRNV                  | 4 NV QTF135     | 667 T VE7SKA      | 08052356        | KXMA                 | 2 ND DICKINSON 1213 | T WA5IYX          |
| 08161900 | KTVN                  | 2 NV QTF135     | 667 T VE7SKA      | 08060045        | KXMA                 | 2 ND 1110           | >EM32 T OGLETHORP |
| 08161906 | KVBC\$                | 3 NV QTF135     | 986 T VE7SKA      | 08060127        | KGAN                 | 2 IA CEDAR RAP 960  | T WA5IYX          |
| 08170250 | KTWot                 | 2 WY            | >CN82 T KK6TQ/7   | 08060135        | KWGN                 | 2 CO 806            | >EM32 T OGLETHORP |
| 08180227 | KUTV                  | 2 UT QTF125     | 795 T VE7SKA      | 08060245        | KCNC                 | 4 CO 806            | >EM32 T OGLETHORP |
| 08180241 | KTWO                  | 2 WY            | >CN82 T KK6TQ/7   | 08061731        | KTVS                 | 3 CO 1014           | >CN82 T KK6TQ/7   |
| 08181515 | KNAZ                  | 2 AZ 1045       | >EM32 T OGLETHORP | 08061800        | KLNE                 | 3 NE 1190           | >CN82 T KK6TQ/7   |
| 09010130 | W7HAH                 | -0300           | > CM88 B K6QXY    | 08061802        | KDUH                 | 4 NE                | >CN82 T KK6TQ/7   |
| 09041643 | KTVN                  | 2 NV QTF135     | 986 T VE7SKA      | 08062340        | KTCA                 | 2 MN 869            | >EM32 T OGLETHORP |
| 09090200 | W7RV AZ weak          |                 | > CM88 K6QXY      | 08071930        | KDLH                 | 3 MN                | >DN13 T N7SOK     |
| 09110220 | KB7UWC QTF045 AU CN96 | .125 C VE7SKA   |                   | 08081230        | KYTV                 | 3 MO MS             | >DN13 T N7SOK     |
| 09110241 | KA7GUX QTF045 AU DN17 | .125 S VE7SKA   |                   | 08100209        | KRMA                 | 6 CO 937            | >CN82 T KK6TQ/7   |
| 09110247 | W7FHI QTF045 AU CN96  | 144.2 C VE7SKA  |                   | 08121400        | W0 CO,SD,NE          |                     | K6QXY             |
| 09110257 | W7HAH QTF045 AU DN26  | .125 C VE7SKA   |                   | 08131700        | W0 CO                |                     | K6QXY             |
| 09171800 | W7US AZ               |                 | > CM88 K6QXY      | 08180200        | KTVS\$               | 3 CO QTF120 1150    | T VE7SKA          |
| 09180257 | N7MLD QTF120 DN40     | 50.125 S VE7SKA |                   | 08180241        | KOTA                 | 3 SD                | >CN82 T KK6TQ/7   |
| 09180300 | KUTV                  | 2 UT QTF120     | 795 MI T VE7SKA   | 08180300        | W0, NOLL             |                     | B K6QXY           |
| 09180305 | W7RV QTF140 DM43      | 50.135 S VE7SKA |                   | 08190100        | WBORMO, WOIJR, NOLL  |                     | B K6QXY           |
| 09180313 | KTVK\$                | 3 AZ QTF140     | 1137 MI T VE7SKA  | 08242000        | WOMTK                |                     | B K6QXY           |
| 09180329 | W7/WSOF QTF135 DM34   | 50.125 S VE7SKA |                   | 09171530        | W0 EM48 > DN70 -1700 |                     | KOGU              |
| 09180334 | K7YGG QTF135 DM43     | 50.125 S VE7SKA |                   | 09180227        | WOMTK QTF120 DM59    | 50.0645 B VE7SKA    |                   |
| 09180337 | K7NO QTF135 DM43      | 50.125 S VE7SKA |                   | 09180234        | KREG                 | 3 CO QTF120 1028    | T VE7SKA          |
| 09180418 | W7/WB9CQX QTF130 DM33 | .135 S VE7SKA   |                   | 09180237        | WOIJR QTF120 DM79    | 50.065 B VE7SKA     |                   |
|          |                       |                 |                   | 09180241        | WOMTK                | 50.125 S VE7SKA     |                   |
|          |                       |                 |                   | 09180246        | NOXPS QTF120 DM79    | 50.125 S VE7SKA     |                   |
|          |                       |                 |                   | 09180252        | NOLL QTF120 EM09     | 50.077 B VE7SKA     |                   |

#### United States, W8

|          |       |             |                   |
|----------|-------|-------------|-------------------|
| 07112326 | N8EQQ | 54 EN83     | 50.200 S VE3KKL   |
| 08031358 | WJBK  | 2 MI 904    | >EM32 T OGLETHORP |
| 08031400 | WDIV  | 4 MI 904    | >EM32 T OGLETHORP |
| 08031605 | WCMLt | 6 MI PBS    | >EM32 T OGLETHORP |
| 08031605 | WTOM  | 4 MI 1042   | >EM32 T OGLETHORP |
| 08031702 | WNEM  | 5 MI 943    | >EM32 T OGLETHORP |
| 08181940 | WDTN  | 2 OH DAYTON | 1076 T WA5IYX     |
| 08231615 | WDTN  | 2 OH 735    | >EM32 T OGLETHORP |

#### United States, W9

|          |           |               |                   |
|----------|-----------|---------------|-------------------|
| 08031559 | KBJR      | 6 WI SUPERIOR | 1245 T WA5IYX     |
| 08031655 | WFRV      | 5 WI 892      | >EM32 T OGLETHORP |
| 08032210 | N9MMU     | 54 EN45 AL    | 50.150 S VE3KKL   |
| 08032221 | NZ9U      | 54 EN45 JACK  | 50.125 S VE3KKL   |
| 08032312 | N9XNA     | 59 EN51 VIC   | 50.125 S VE3KKL   |
| 08032315 | W9/7M2PSC | 59 EN62       | 50.125 S VE3KKL   |
| 08072227 | WBBM      | 2 IL 737      | >EM32 T OGLETHORP |
| 08182128 | WBAY      | 2 WI 892      | >EM32 T OGLETHORP |

#### United States, W0

|                |        |                     |                   |
|----------------|--------|---------------------|-------------------|
| 07072157       | KOTLM  |                     | G3OIL             |
| 07101315       | WBORMO | EN10                | B VE3KKL          |
| 07112020       | WBORMO | EN10                | B VE3KKL          |
| 07112027       | NOLL   | S2 OFF BACK OF BEAM | B VE3KKL          |
| 07112322       | NOLL   | 55                  | 50.200 S VE3KKL   |
| 07210252       | KOGU   | 54 DN70             | 50.170 S VE3KKL   |
| 07211518       | NOLL   |                     | B VE3KKL          |
| 07211518       | WBORMO | EN10                | B VE3KKL          |
| 07211610       | KOTLM  | 59                  | 50.150 S VE3KKL   |
| 07222328       | KBOMJS | 59 DN94 DOUG        | 50.125 S VE3KKL   |
| 07260055       | KSWK   | 3 KS                | > EN64 T DRAEB    |
| 07260055+KSNWt | 3 KS   |                     | > EN64 T DRAEB    |
| 07260115       | KWGnt  | 2 CO                | > EN64 T DRAEB    |
| 07260115+KCNCt | 4 CO   |                     | > EN64 T DRAEB    |
| 07260149       | KRMAt  | 6 CO                | > EN64 T DRAEB    |
| 07260200       | KLBY   | 4 KS                | > EN64 T DRAEB    |
| 08031228       | NOLL   | 54+                 | 50.125 S VE3KKL   |
| 08031608       | KDLH   | 3 MN DULUTH         | 1244 T WA5IYX     |
| 08031705       | WCCO   | 4 MN 870            | >EM32 T OGLETHORP |
| 08031729       | KGAN   | 2 IA CEDAR RAP      | 960 T WA5IYX      |
| 08031900       | KCNC   | 4 CO 952            | > EN64 T DRAEB    |
| 08031900+KLBYt | 4 KS   |                     | > EN64 T DRAEB    |
| 08031900+KWGnt | 2 CO   |                     | > EN64 T DRAEB    |
| 08032212       | KG0QH  | 59 EN35 MIKE        | 50.150 S VE3KKL   |
| 08032217       | KA0EVQ | 55 EN35 DAVE        | 50.150 S VE3KKL   |
| 08032222       | WA0RPI | 56 EN35 JIM         | 50.125 S VE3KKL   |

## Reports of Oceania

#### HAWAIIAN IS

|                 |        |             |                 |
|-----------------|--------|-------------|-----------------|
| 08310649        | KHON-2 |             | 55.260 V ZK1AA  |
| 09010842        | KHON-2 | -1202       | 55.260 V ZK1AA  |
| 09020659        | KHON-2 | -1039       | 55.260 V ZK1AA  |
| 09030603        | KHON-2 | -1220       | 55.260 V ZK1AA  |
| 09030603        | KITV-4 | -1220       | 67.240 V ZK1AA  |
| 09040937        | KHON-2 | -1119       | 55.260 V ZK1AA  |
| 09040937        | KITV-4 | -1220       | 67.240 V ZK1AA  |
| 09052350        | KH6HME | TR          | 144.170 B N6XQ  |
| 09070608        | KHON-2 | -0950       | 55.260 V ZK1AA  |
| 0907            | KFVE-5 | WEAK        | 77.250 V ZK1AA  |
| 0907            | KAIM   | WEAK        | 95.5 F ZK1AA    |
| 09080550        | KHON-2 | >1150       | 55.260 V ZK1AA  |
| 09080550        | KITV-4 | >1150       | 67.240 V ZK1AA  |
| 09080550        | KFVE-5 | >1150       | 77.250 V ZK1AA  |
| 09080630        | KHON-2 | <0830       | 55.250 V ZK1AA  |
| 09090616        | KHON-2 | -0906       | 55.250 V ZK1AA  |
| 09120745        | KHON-2 | -1105       | 55.250 V ZK1AA  |
| 09120745        | KITV-4 | -1105       | 67.250 V ZK1AA  |
| 0912            | KFVE-5 |             | 77.250 V ZK1AA  |
| 09130711        | KHON-2 | -1346       | 55.250 V ZK1AA  |
| 09130800        | KGMD-9 | -0840 HILO  | 187.250 V ZK1AA |
| 09150843        | KHON-2 | -1113       | 55.250 V ZK1AA  |
| 0915            | KGMD-9 | VY WK       | 187.250 V ZK1AA |
| 09160630        | KHON-2 | -1030       | 55.250 V ZK1AA  |
| 09160630        | KITV-4 | -1030       | 67.250 V ZK1AA  |
| 09160630        | KFVE-5 | -1030       | 77.250 V ZK1AA  |
| 09160630+KGMD-9 |        | -0650       | 187.250 V ZK1AA |
| 09160625        | KHON-2 | -1005       | 55.250 V ZK1AA  |
| 0916            | KGMD-9 |             | 187.250 V ZK1AA |
| 09200730        | KHON-2 | -0845       | 55.250 V ZK1AA  |
| 09201155        | KHON-2 | -1325       | 55.250 V ZK1AA  |
| 09201500        | KH6HME | S1 TR -1800 | 144.17 B K6QXY  |
| 09210650        | KHON-2 | -1050       | 55.250 V ZK1AA  |
| 09220710        | KHON-2 | -1130       | 55.250 V ZK1AA  |
| 09240545        | KHON-2 | -1102       | 55.250 V ZK1AA  |
| 09250545        | KITV-4 | -1102       | 67.240 V ZK1AA  |
| 0925            | KFVE-5 |             | 77.240 V ZK1AA  |
| 09250925        | KGMB-9 | HONO WEAK   | 187.240 V ZK1AA |
| 09250552        | KHON-2 | -1125       | 55.250 V ZK1AA  |
| 09250552        | KITV-4 | -1125       | 67.240 V ZK1AA  |
| 09260626        | KHON-2 | -1118       | 55.250 V ZK1AA  |



# Mexican Hams on Six Meters

Pat Rose, W5OZI, Secretary, SMIRK

In my continuing effort to promote 6 meters among Mexican hams, I have found that XEs who have had their callsigns for five years and more are still not being listed in the callbook. This is apparently because of some lack of interest among the authorities who would normally provide this information for subsequent publication.

I have therefore begun compiling a list of XEs whom I know are presently active on 6, and with the help of XE1J, I attach my current list with addresses which I believe are accurate. Please send correction to me, W5OZI, P.O. Box 393, Junction, TX 76849 USA.

**XE1ABA DK89** Juan C. Hernández, Av Insurgentes 652, Colima, COL, 28040

**XE1AVM DK79** Ismael Martinez V., Apartado 440, Manzanillo, COL 28200

**XE1AWT DK88** Cuauhtémoc Narváez Villagomez, 20 de Noviembre 710, Tecoman, COL 28150

**XE1BBU DK89** Miguel A. Ocegüera, Peña Colorado 1280, Colima, COL 28040

**XE1BEF DK89** Hector??

**XE1BGI DL80** Miguel González C., Monte Atlas 1548, Col. Estadio, Guadalajara, JAL 44720

**XE1BKE DK89** Juan Gómez B., Caxitlan 213, Colima, COL 28045

**XE1DDD EK08** Gerhart W. Rabb, Carr. Alpuyeca-Miacatlan Km. 8.6, Xochicalco, Cuernavaca, MOR 62431

**XE1FDG DL81** Guillermo de Alba, San Juan de los Lagos, JAL

**XE1FLY DL80** Ariel A. Paredes, Manuel Payno 2566 S.L. Guadalajara, JAL 44720

**XE1FV DL80** Arturo Nelson, Apartado 6700, Guadalajara, JAL 44600

**XE1GE EK08** G.W. (Geoff) Lord, Lazaro Cárdenas 442, Cl. Jiquilpan, Cuernavaca, MOR, 62170

**XE1GRR DL80** Rafael (Tony) Rocha, Gómez Farias 1765 S.R., Guadalajara, JAL 44800

**XE1GSQ DL80** Ariel??

**XE1J DK89** José (Pepe) Levy, Clavel 333, Colima, COL 28030

**XE1KK EK09** Ramón Santoyo V., P.O. Box 19-564, Mexico, D.F. 11560

**XE1LL EK09** Arthur S. Cohen, Ibsen 72 Col. Palanco, Mexico, D.F. 11560

**XE1MD EK09** Michel Christ, Cda. Noreña 40, Mixcoac, D.D. 11560

**XE1RFM EK08** Conrado Murguía, Priv. Nueva Francia 21, Col. Recursos Hidráulicos, Cuernavaca, MOR. 62245

**XE1RFN EK08** Cristina Santana, Priv. Nueva Francia 21, Col. Recursos Hidráulicos, Cuernavaca, MOR. 62245

**XE2FL DL95** Fernando J. Muguerza, Apartado 91, San Pedro Garza García, N.L. 66200

**XE2HWP DL44** Bernardo Gonzalez M., P.O. Box 674, La Paz, BCS. 23000

**XE2LQB DL98** Rafael Ortiz, Zaragoza 385 Sur, Nava, COAH. 26170 (QSL via W5OZI)

**XE2YTT DL82** Arnulfo Diaz V., Apartado 163, Zacatecas, ZAC 98000

**XE3EB EL50/EL51** Emilio Berny, P.O. Box 309, Merida, YUC. 97000

**XE3WMA EL51** Pablo Marfil A., P.O. Box 329, Merida, YUC. 97000

**XE3WP EL51** Angel Sanchez Comin, Calle 63-464 52-54, Merida, YUC. 97000

## Results of 50 MHz DX Marathon II

The trans-Atlantic and trans-Pacific openings this summer produced some impressive scores. Winner of the 1995 50 MHz DX Marathon was SM7AED, with runner-up VE7SKA. Jan Steenbergen of Dordrecht, Holland turned in the highest-scoring (and only) log for a SWL. After checking (and correcting where necessary) the logs, I have verified the following scores:

| CALL   | LOC  | QSOs | POINTS | GRIDFIELDS | SCORE |
|--------|------|------|--------|------------|-------|
| JA1VOK |      | 23   | 45     | 12         | 540   |
| SM7AED |      | 78   | 188    | 22         | 4136  |
| JQ3JUG |      | 5    | 5      | 3          | 15    |
| DL7UTA | JO62 | 12   | 1      | 12         | 12    |
| VE7SKA | CN   | 55   | 136    | 12         | 1632  |
| NL-213 |      | 0    | 59     | 24         | 1416  |

Among the mistakes noted this were (1) the failure to specify a frequency other than 50 MHz (we wanted the frequency to 5 kHz), (2) duplicate QSOs (only one counts), (3) JQ3JUG failed to list any contacts within JA, and thereby probably shorted himself 2 or 3 gridfields.

But then we aren't blameless either. JA1VOK submitted a log last year with his activity report and we mislaid it. His score last year was 8 points; he did much better this year.

## Beacon News

The European Arctic 50 MHz have turned their beams back to the south. These are their present operating characteristics:

|        |        |         |     |      |      |      |
|--------|--------|---------|-----|------|------|------|
| JW7SIX | JQ88AD | 50.047  | 10W | 4EL  | YAGI | 170° |
| LA7SIX | JP99LO | 50.051  | 30W | 4EL  | YAGI | 190° |
| LA7VHF | JP99LO | 144.892 | 65W | 10EL | YAGI | 190° |

All three beacons transmit dots in between the ID instead of a continuous carrier thereby keeping power consumption low. Reception reports and comments to: Stefan Heck, LA0BY, Floyvegen 25, N-9020 Tromsø, NORWAY.

VE8BY beacon from FP53rs in Iqaluit, NT is transmitting on 50.048. Power is around 20W, and the antenna is an end fed vertical dipole, Cushcraft AR-6. Reports to Larry Horlick, VE8HL.

The West Australian VHF Group has re-instated its VHF/UHF beacons on the commercial television tower of STW9 Perth (OF88). They are operating 24 hours per day seven days per week on: 50.066, 144.460, 432.460, & 1296.460 with omnidirectional horizontally polarized antennas. All reports of their reception will be welcome by VK6KZ on behalf of the Group.

## Postscript

New Internet addresses: WA5IYX is Patrick.Dyer@TLCT.COM; N6CL is jlynch@post.cis.smu.edu.

ZL3TY writes requesting a list of countries who allow their hams to operate 50 MHz, and their access rights. This is to show that there is a trend away from using Band 1 television. NZART wishes to keep and improve their access to 50-51 MHz, & hopes to convince their Administration to allow unrestricted access to hams if broadcasters abandon Band 1 with the introduction of digital TV.